

## LED Sync Dimmer

### Specification and Instructions



#### Product Features

- Designed for constant voltage LED lights. Operating voltage: DC 12–24V.
- 3 channel output. Maximum load current: 3CH × 10A.  
Maximum load power:  
360W at 12V  
720W at 24V
- RF remote control with a range of up to 20 meters.
- Remembers the last used mode after power-off (memory function).
- 3 modes: static, blink, gradation.
- Adjustable static color brightness: 256 levels.
- Multiple controllers can work synchronously when connected via network cable through the RJ45 connector. The maximum cable length between two ports is 100 meters.

### Technical Parameters Controller

Working temperature	-20-60°C	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	common anode
Grayscale	256 levels	Speed stage	100 grade
External dimension	L91*W88*H24 mm	Packing size	L150*W92*H64mm
Net weight	250g	Gross weight	290g
Mode	7	Remote distance	Up to 20M
RF frequency	433.92Mhz	Memory function	support
Output	3 channels	Output current	≤10A(each channel)
PWM frequency	400Hz	Max. Output power	12V360W, 24V720W

## Remote control

Working temperature	-20°C~60°C	Supply voltage	DC3V (AAA*2)
Standby current	<18uA	Working current	<25mA
Standby power	54uW	Working power	75mW
Net weight	65g	RF frequency	433.92Mhz
External dimension	L150*W40*H20 mm	RF distance	≤20m

## Interface Specifications



Connection :

V+→COM

CH1→ 10A Max Output (120W for 12V modules)

CH2→ 10A Max Output (120W for 12V modules)

CH3→ 10A Max Output (120W for 12V modules)

### Direction for use

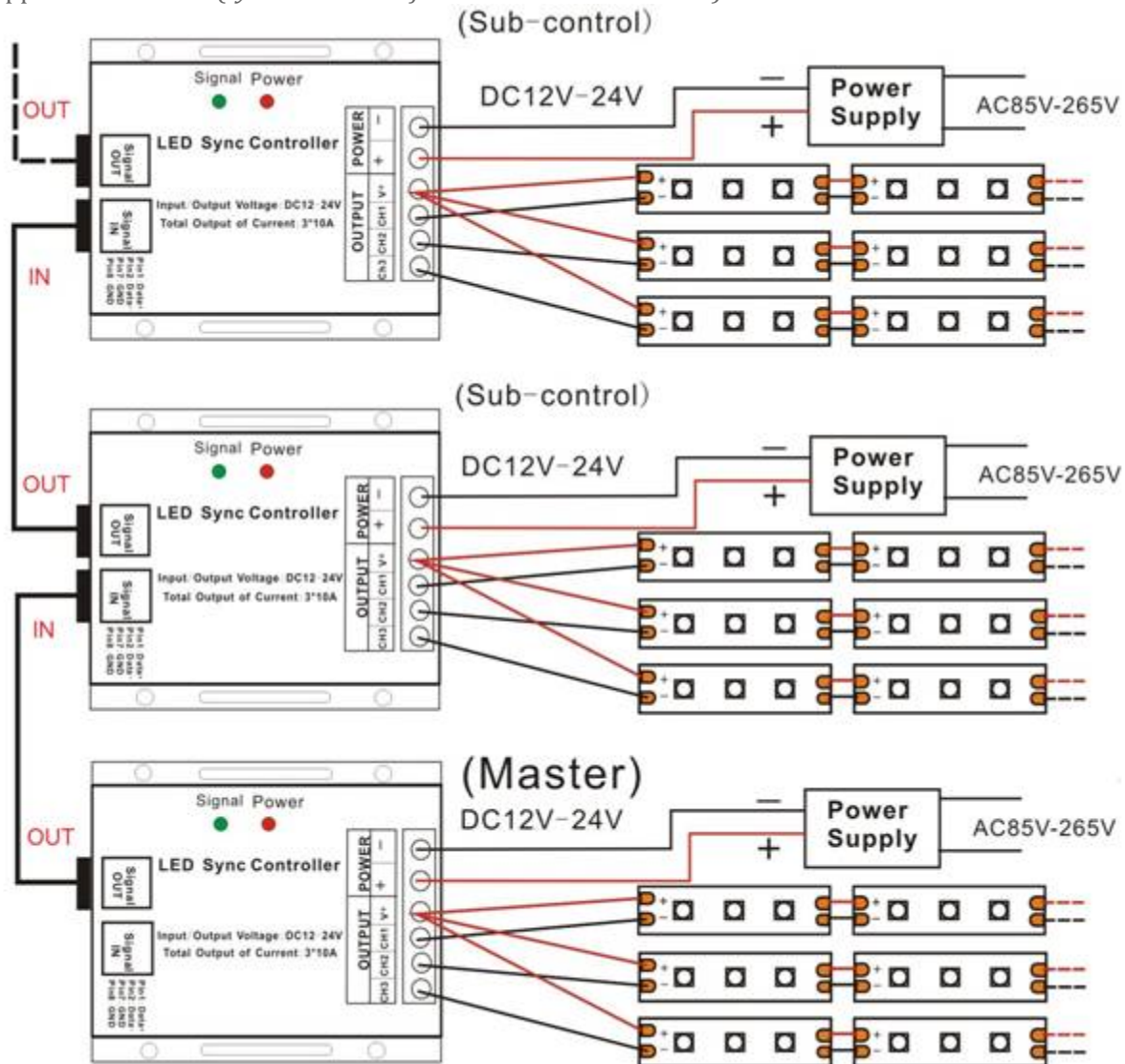
- Connect the load wire first followed by the power wire.
- When the signal is received, the signal light will flash.

The button functions are shown as below:



Name	Description
Set button	Controller pair mode
ON	Turn on
OFF	Turn off
Brightness +	The brightness will add 1 level. Long-press for fast adjusting.
Brightness -	The brightness will reduce 1 level. Long-press for fast adjusting.
Hot brightness key+	The brightness will increase in stages.
Hot brightness key -	The brightness will decrease in stages.
Mode	Cycles through 3 modes: Static, Blinking, Gradation.
Night light	Dims the led to low level.
Speed +	Add the speed of the dynamic mode.
Speed -	Reduce the speed of the dynamic mode.
Delay button	The light will be delay off in 30 seconds.

Application Circuit: (*Synchronization function with network Line*)



Tips: The green signal indicator light will flash with proper communication.